(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
7 March 2013 (07.03.2013)

WIPO | PCT

(10) International Publication Number
WO 2013/032404 A1

(51) International Patent Classification:
A61K 39/42 (2006.01) *C07K 16/10* (2006.01)
A61P 31/14 (2006.01)

(21) International Application Number:
PCT/SG2012/000263

(22) International Filing Date:
23 July 2012 (23.07.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/527,866 26 August 2011 (26.08.2011) US

(71) Applicant *(for all designated States except US)*: **TEMASEK LIFE SCIENCES LABORATORY LIMITED** [SG/SG]; 1 Research Link, National University of Singapore, Singapore 117604 (SG).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **JIA, Qiang** [CN/SG]; c/o Temasek Life Sciences Laboratory Limited, 1 Research Link, National University of Singapore, Singapore 117604 (SG). **LIM, Xiao Fang** [SG/SG]; c/o Temasek Life Sciences Laboratory Limited, 1 Research Link, National University of Singapore, Singapore 117604 (SG). **KIENER, Tanja** [CH/SG]; c/o Temasek Life Sciences Laboratory Limited, 1 Research Link, National University of Singapore, Singapore 117604 (SG). **KWANG, Jimmy** [US/SG]; c/o Temasek Life Sciences Laboratory Limited, 1 Research Link, National University of Singapore, Singapore 117604 (SG). **HE, Fang** [SG/SG]; c/o Temasek Life Sciences Laboratory Limited, 1 Research Link, National University of Singapore, Singapore 117604 (SG).

(74) Agent: **MOHANAKRISHNAN, Gayathri**; Marks & Clerk Singapore LLP, Tanjong Pagar, P O Box 636, Singapore 910816 (SG).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

Published:

— *with international search report (Art. 21(3))*

— *with (an) indication(s) in relation to deposited biological material furnished under Rule 13bis separately from the description (Rules 13bis.4(d)(i) and 48.2(a)(viii))*

— *with sequence listing part of description (Rule 5.2(a))*

(54) Title: HUMAN ENTEROVIRUS SPECIFIC ANTIBODIES AND THEIR USES IN DIAGNOSTICS

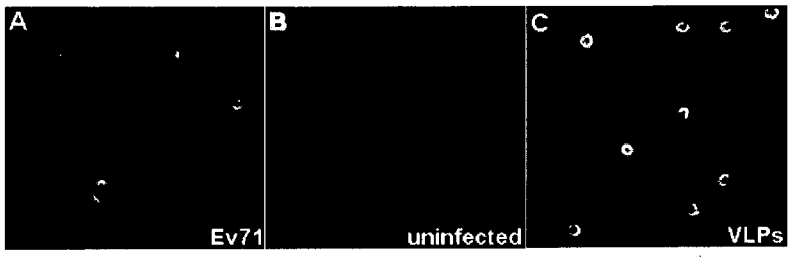


FIGURE 1

(57) Abstract: There is provided at least one isolated antibody or fragment thereof, wherein the antibody or fragment thereof is capable of specifically binding to at least one EV71 derived peptide.

WO 2013/032404 A1